# Morbidity and Mortality

## U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

Prepared by the

COMMUNICABLE DISEASE CENTER

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ATLANTA, GEORGIA 30333

Vol. 13, No. 3

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED JANUARY 18, 1964

POLIOMYELITIS - No cases of poliomyelitis were reported for the week ended January 18. For the first 3 weeks of 1964, only 1 case (non-paralytic) of poliomyelitis has been reported in the United States.

The highest cumulative total of paralytic cases reported for the first 3 weeks during the past 10 years was 197 in 1956. The previous lowest cumulative total was 7, reported one year ago.

	CASES						
ate Laurent I	PARALYTIC	TOTAL					
YEAR		496					
1954	185	398					
1955	191	355					
1956	197	132					
1957	75	70					
	38	53					
1958	34	72					
1959	55						
1960	18	33					
1961	15	27					
1962	The second secon	8					
1963		1					
1964	4 = K(1) 0						

## Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES tive totals include revised and delayed reports through previous weeks)

(Cumulative			ayed reports thro	Cumulativ	e, First 3	Weeks
Apple of the second	3rd Week	Ended	Median	-84 PARTER.	Contract of the Contract of th	Median
Disease	1964	1963	1959 - 1963	1964	1963	1959 - 1963
Septic meningitis rucellosis Diphtheria Encephalitis, primary infectious Encephalitis, post-infectious	41 3 2 9 15	32 6 2 }-14	8 16	88 9 11 48 38	79 12 14 ]-39	23 59
Hepatitis, infectious including serum hepatitis	867 5,601 55 - -	1,183 8,615 59 1 1	1,183 8,150 59 10 8	2,315 13,932 143 1 - 1	2,967 21,112 157 8 7	2,967 22,102 160 33 18
Streptococcal Sore Throat and Scarlet fever Tetanus Tularemia Typhoid fever Rabies in Animals	7	9,828 2 2 5	8 58	23,429 14 30 16	23,546 13 15 12	equilibrit of plot gained 1 of less of 17

# Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Table 2. NO	TIFIABLE DISEASES OF LOW TOTAL	Cum.
Anthrax: Botulism: Leptospirosis: Va 1 Malaria: N. Y. City - 1 Plague:	Cum.  Psittacosis: Wis 1 Rabies in Man: 1 Smallpox: 5 Typhus- Murine: Rky Mt. Spotted: N. C 2, G	a, -1 3

#### EPIDEMIOLOGICAL REPORTS

#### Malaria - Pennsylvania

A case of quartan malaria in a 56-year-old woman, resident of Pittsburgh, Pennsylvania, has been reported. Despite intensive investigation, no information suggesting a possible means of acquisition could be uncovered.

In July 1963, the patient first experienced chills which occurred every fourth day. A urinary tract infection was discovered at that time; her symptoms were initially ascribed to this disorder. Despite antibiotic therapy, the symptoms persisted and, in late October, she entered a Pittsburgh hospital. On physical examination, she was found to have a spleen enlarged 2 finger breadths below the costal margin.

In November, a laboratory technician noted malaria parasites on a routine CBC. The slide was read as positive for *Plasmodium malariae* at the hospital and confirmed at CDC. The patient was given chloroquine; later, primaquine was substituted. She has remained afebrile and asymptomatic since the institution of the above therapy.

The patient was born in Czechoslovakia and immigrated to the United States at the age of 1½. Since then, she has never left the United States. She has never been known to have had malaria at any earlier time during her life. She has traveled throughout the northeast United States on rare occasions, but no more recently than 10 years ago. During the past decade, she denies ever having been outside Allegheny County and denies ever having been in the southern United States. Furthermore, she denies a history of drug addiction; she has never received any blood transfusions. A check of 33 regional hospitals and blood banks confirm a negative blood transfusion history. Similarly, a check with local, State, and Federal law enforcement agencies revealed no suspicion of narcotics usage.

During the past 3 years, there have been 4 cases of malaria in residents of Allegheny County. All of these victims have been military personnel, who acquired the disease while abroad. None have been known to have experienced P. malariae.

(Reported by Edwin Brown, M.D., Chief, Division of Disease Control, and Herbert R. Domke, M.D., Health Officer, Allegheny County Health Department; and, Dr. W. D. Schrack, Jr., Director, Division of Communicable Disease Control, Pennsylvania State Department of Health.)

#### Staphylococcal Food Poisoning - California

About 100 individuals became ill with gastroenteritis attributed to staphylococcal enterotoxin following a dinner in a restaurant in a Los Angeles department store. An estimate of 447 individuals attended the dinner; 21 were hospitalized. No fatalities were recorded.

The symptoms experienced included nausea, vomiting, stomach cramps and diarrhea. The incubation periods ranged from  $1\frac{1}{2}$  to 7 hours, with an average of 3 hours. The average duration of illness was 12 hours.

Interviews were conducted with 62 of those who ate at the special company dinner. All 62 ate ham, and 50 of these experienced gastroenteritis. The remaining victims were discovered on a telephone survey of the department store employees the following day.

In addition, one of the food handlers took home portions of the ham served at the meal. This ham was then served to 9 friends, all of whom became ill with gastroenteritis.

Samples of the food served at the meal were obtained for laboratory analysis. Cultures of the sliced ham and peas revealed coagulase positive staphylococci.

The canned hams used for the dinner were opened two days previously, brushed with a topping of mustard, brown sugar, and tomato sauce before being placed in a walk-in refrigerator. The day prior to the meal, 10 hams were removed from the refrigerator and cooked in a 250° oven for 4 hours, then cooled for 6 hours, and rerefrigerated. Later that day, 15 hams were removed from the refrigerator, cooked in the 250° oven for 4 hours, and then kept at room temperature overnight. On the morning of the dinner, the hams were sliced by a machine and then allowed to incubate at room temperature. The slicing machine was dirty with accumulated old food particles, and was disassembled for cleaning but once a week. For 3 hours prior to the meal, the hams were warmed in an oven before serving.

Nasal, nail and stool cultures of the two food handlers were positive for coagulase positive staphylococci. One of these handlers also had a positive throat culture. No phage typing was done.

(Reported by Frank Listick, Public Health Sanitarian, Los Angeles City Health Department, and Dr. Philip K. Condit, Chief, Bureau of Communicable Diseases, California State Department of Health.)

#### Tularemia — Maryland

Three cases of tularemia were reported from Maryland during December. Two cases were serologically confirmed; the third was bacteriologically proved. All 3 victims are believed to have acquired the disease from skinning rabbits on separate hunting ventures.

Cose #1 was a 69-year-old, white male, who saw an apparently healthy rabbit in his backyard on October 30. He shot and skinned it. On November 4, he experienced a fever of 101-1020, generalized malaise, nausea, but no vomiting. He developed a lesion on his right index finger. These symptoms continued, and he was admitted to a hospital in rural Eastern Maryland on November 16. Because he had shot the rabbit before the opening of the hunting season, he was reluctant to volunteer this information to his physician. The doctor, however, suspected tularemia, because of the 2 cm. lesion on the patient's finger and an enlarged lymph node in his axilla. After obtaining a culture, he began streptomycin therapy. The patient's temperature rose to 104°, but then returned to normal within 3 days. The patient recovered. The culture revealed Pasteurella tularensis. No serology was done.

Case #2 was a 55-year-old, white male, who hunted rabbit and quail November 15 and 16 along the Delaware-Maryland border. With his bare hands, he skinned the several rabbits which he had shot. This was his only exposure to rabbits or other wild animals.

On November 25, he developed a fever to 102°; although he had a generalized malaise, he went to work but left early because of the above symptoms. A few days later, pustular abscesses developed on his left hand at the site of abrasions which he had suffered traumatically in his home prior to his hunting trip. He developed a mild, non-productive cough. He was admitted to a Baltimore hospital on December 2, at which time he had a temper-

ature of 104°. Localized abscesses, lymphangitis, and tender, enlarged left axillary lymph nodes were noted. A chest X-ray was negative.

Improvement followed the administration of broad spectrum antibiotics. Because of a history of rabbit exposure, blood was drawn for tularemia agglutination titers. Two specimens, on December 10 and December 16, were reported as 1/1280 by the State Laboratory. The patient recovered uneventfully.

Case #3 was a 59-year-old, white male, who skinned 8 rabbits over a 2-week period, from November 16 to 30, after hunting in wooded patches in suburban Baltimore.

On December 3, he felt feverish, weak, and had a headache. Because of the persistence of these symptoms and disorientation, he was admitted to another Baltimore hospital on December 6. His temperature was 102°. On physical examination, a pustule was noted on the distal phalanx of his right index finger. No lymphangitis was present. A large tender node was present in the right axilla. His white blood count was 12,200. A chest X-ray was negative. Treatment with a broad spectrum antibiotic was begun.

The following day his temperature was 103.2° but defervesced in succeeding days. On December 9, his WBC was 5,400. He was discharged December 14. His agglutination titers for *P. tularensis* were: December 9, 1/40; December 10, 1/80; December 18, 1/1280.

In neither case 2 nor case 3 were cultures obtained prior to antibiotic therapy.

The only other case of tularemia in Maryland in 1963 was the result of an accidental laboratory infection. (Reported by Dr. John H. Janney, Acting Chief, Division, of Epidemiology, State Department of Health, Baltimore, Maryland.)

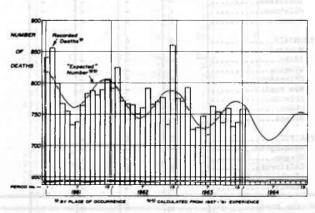
## INFANT DEATHS IN 108 CITIES

The weekly average number of infant deaths in 108 cities for the four-week period ending January 18 was 758 as compared with an expected 766 weekly average.

TOTAL DEATHS UNDER ONE YEAR OF AGE RECORDED IN 108 CITIES

	10	Week E	Ending		* B 2	
200-1-		1/4	1/11	1/18	4 Week Total	Weekly Average
Observed	627	730	885	790	3,032	758
Expected	768	767	765	763	3,063	766
Excess	-141	- 37	120	27	_31	-8

## DEATHS UNDER ONE YEAR OF AGE IN IOS U.S. CITIES Average Number per Week by Four-Week Parlada



## Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

JANUARY 18, 1964 AND JANUARY 19, 1963 ( 3rd

WEEK)

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### Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

JANUARY 18, 1964 AND JANUARY 19, 1963 ( 3rd WEEK) - Continued

	Brucellosis		Diphtheria		110	Infectious Hepatitis including Serum Hepatitis					Typhoid	l Fever	
Area		Cum.		Cum.	Total	Under 20 years		Age Unknown	Cumula	tive		Cum.	
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964	
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ATLANTA, GEORGIA 30333

## Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

JANUARY 18, 1964 AND JANUARY 19, 1963 ( 3rd WEEK) Continued

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Rhode Island	22		-	3	74	89	7 12			1	7 2 2	
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MIDDLE ATLANTIC	935	7	22	15	377	526	_				1	5
New York City	455	3	5	3	34	42	-	-		- 2		
New York, Up-State.	285	3	9	3	212	258	-	-	-		1	4
New Jersey	-	1	2	-	69	129	-			-		the red
Pennsylvania	195	- 15	6	9	62	97	-	-	- 1	17.1		1
EAST NORTH CENTRAL	1,229	12	16	24	703	2,202	1	3	2	3	1	13
Ohio	174	4	6	7 (	77	117	-	1	1	1	1	8
Indiana.	234	- 2	2	4	64	179		1	- 1	7	- 19.	1
Illinois Michigan	459 228	2 5	2 5	6	110 298	1,411 279	1	1	1	1		2 2
Wisconsin	134	1	1	5	154	216	-	-		1	-	-
WEST NORTH CENTRAL	157	4	5	7	268	202		_	1	8	11	52
Minnesota	2	2	2	í	31	16	_			-	4	9
Iowa	59	- 1/1/2	12		90	96	-	-	_	-	1	16
Missouri	14	2	2	2	6	3		-	-	5	2	12
North Dakota	82	- T	1	1	114	72	-	-	- 1		3	6
South Dakota	-	-		1	13	1	-	J 1-1	-	-	1	8
Nebraska Kansas	NN	- 5	- 1.5	2	14	- 14			1	3		1
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SOUTH ATLANTIC Delaware	668	20	42	36	736	859	3	6	2	4	7	26
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Dist. of Columbia	-	_	3	1	24	4	- 15			- 6	1	
Virginia	49	3	4	8	173	310	-	-	-	2	6	20
West Virginia	190	1	4	5	212	264	-	-	-	-	April 18	AV TOUR
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Tennessee	297	1	6	6	1,181	1,119	1	1	1	5	9	26
Alabama	64	1 -	2	1	10	15		î	_	1	1	2
Mississippi	9	-	-	-	56	41	- 1-	-	- £-	<u>-</u>		actual 2
WEST SOUTH CENTRAL	16	3	9	19	891	871	1	1	5	7	4	20
Arkansas	4		1	2	8		-	7 2	1	1		6
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Wyoming.	- 25	1	1	- [	20	88		-c1	1	1		
Colorado	17		3	2	407	574	- 1	- 1	-	-		Leystell.
New Mexico	36		- 5		475	493	-		-	-	1	1
Arizona	57	-1-	1	1	206	101	-	19:5	-	-	3	3
Utah Nevada	7 19	1	, i	3	203	249	1	7.15	_ [	1		
12 II II	ATT.						17				2 - 4	
PACIFIC	1,099	6	21	25	1,317	1,238	-	2	-	-	2	3
Oregon	512 120	1	2	2 2	262	410		1		-10	-	
California	401	4	18	18	922	14 787	- 1	2	- 2	-10	2	3
Alaska	55		-	3	72	11	1	- 1		-1.	-	
Hawaii	11	1	1		38	16		1-	-	- 1	-	

#### Table 4 (C). TOTAL DEATHS UNDER 1 YEAR OF AGE IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)

MUST ENGLAND:   13   17   15   17   18   17   18   17   18   17   18   18	Area		For week	s ending	7000	Ama	For weeks ending				
Basron, Mass. 13 17 15 17 18 17 18 17 18 17 18 17 18 18 17 18 18 18 19 17 19 12 19 2 19 18 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	Alex	12/28/63	1/4/64	1/11/64	1/18/64	Area	12/28/63	1/4/64	1/11/64	1/18/6	
Basron, Mass. 13 17 15 17 18 17 18 17 18 17 18 17 18 18 17 18 18 18 19 17 19 12 19 2 19 18 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	NEW ENGLAND:					SOUTH ATLANTIC:			,		
### ### ### ### ### ### ### ### ### ##	Boston, Mass	13	17	15	17		4	7	22	5	
Sampridge   Mass	Bridgeport, Conn	1	5	1	1		17	12	19	22	
### Sector   Section   Sec	Cambridge, Mass	1	1	1	11		3	3	3		
Associated   Ass	Fall River, Mass	_				Jacksonville, Fla	4	6	2	3	
Description	Hartford, Conn									3	
See   Redignory   Name   Nam	Lowell, Mass				of within						
See Haven, Conn.	New Parks				-		1				
## Frovidence, R.I.   5   8   1   5   Tampà, Pla.   7   6   3   3   3   3   3   3   3   3   3	New Bedford, Mass			1	11		4		8	-	
Semeratile Nass   1	Providence P T						7		-		
### Springfield, Mass.   5 6 2 1	Somerville Mass			1					1 1		
Marchury Cons.	Springfield Mass			2					1 1		
Marth N. J.	Waterbury Copp	_				withington, bet	2	4	, ,		
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### ### ### ### ### ### ### ### ### ##	Buffalo, N.Y	5									
Exter Part   3   3   1   3   3   3   3   3   3   3	camden, N.J.										
Acta   Part   Acta	Elizabeth, N.J.	3							1		
See See City, N.J.   3   3   3   5	Lile, Pa	1	1	4	-						
Second   S	Jersey City, N.J.	3	3		5	LALL CULTY THE LALL.		100	R. COOL	10.31	
See Nork City, N.Y.   72	Mewark, N.J.	22	4	21		WEST SOUTH CENTRAL:					
## 1	New York City, N.Y	72	86	100	96		4	3	6	3	
New Orleans, N.Y.   1	'alerson, N.J.	4	2	2	2		1	4	6	5	
Action   Part	*"Iladelphia Pa	26	21	36	12	Corpus Christi, Tex	3	1	7	3	
Sealing, Fa.   1   2   2   3   El Paso, Tex.   5   4   6   12	TILISburgh, Pa		10	10	4	Dallas, Tex	6	11	12	13	
Schenectary, N.Y.	"cading. Pa					El Paso, Tex	5		6	12	
Seranton, Pa. 1 1 1 1 20 16* Seranton, Pa. 1 1 1 1 - 1 1 11 120 16* Seranton, Pa. 1 1 1 - 1 1 11 1 20 16* Seranton, Pa. 1 1 1 - 1 1 11 1 20 16* Seranton, Pa. 1 1 1 1 - 1 1 1 1 1 20 16* Seranton, Pa. 1 1 1 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1	"Ochester N.V		8			Fort Worth, Tex	7	5	4	4	
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						DOMESTIC STREET, BUT IN CO.					
	Wichita, Kans	5 2	5	7	9	Current Week Mortality f	or 108 Se	lected C	ities		

4(A) Total Mortality, all ages....

4(B) Pneumonia-Influenza Deaths, all ages.....

4(C) Total Deaths under 1 Year of Age..... 4(D) Total Deaths, Persons 65 years and over.... 7,192

<sup>\*</sup>Estimate - based on average percent of divisional total. Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

#### Dengue-like Illness - Puerto Rico

For the week ended January 18, a total of 539 cases of dengue-like illness were reported to the Puerto Rico Department of Health. Of this total, 438 were delayed reports.

(Reported by Rafael Timothee, M.D., Director, Preventive Medical Services, Puerto Rico Department of Health.)

# INTERNATIONAL NOTES - QUARANTINE MEASURES Smallpox - Peru

Peru has declared itself free of smallpox as of January 16.

Four confirmed cases of smallpox had been reported from Peru (See MMWR, Vol. 13, p. 20). They were the first smallpox cases reported in Peru since 1954.

All four victims were males, 24 to 40 years of age. Two acquired the disease in areas of the Department of Loreto (in Eastern Peru, near the Brazilian border), and 2 secondary cases were infected in a Lima hospital.

November 8 was the date of onset for the first case, from the District of Pucallpa, Province of Coronel Portillo, Loreto. The 2 secondary cases occurred in Lima, November 22 and December 18. The fourth case, diagnosed in another Lima hospital, became infected in Iquitos, Province of Maynas, with an onset date of December 19.

The diagnosis of these cases was confirmed by chick embryo culture.

(Reported in Weekly Epidemiological Report, Pan American Sanitary Bureau, Vol. 36, No. 3, January 15, 1964).

Editor's Note: This outbreak once again demonstrates the influence of the hospital in propagating smallpox. In most outbreaks occurring by importation into smallpox free areas, such as the epidemics in Great Britain (1961-62), Germany (1961-62), and Sweden (1963), hospital acquired cases have constituted about half the total.

In addition to the established procedures for reporting morbidity and mortality, the Communicable Disease Center welcomes accounts of interesting outbreaks or cases. Such accounts should be addressed to:

> Lawrence K. Altman, M.D., Editor Morbidity and Mortality Weekly Report Communicable Disease Center Atlanta, Georgia 30333

Notes: These provisional data are based on weekly telegrams to the Communicable Disease Center by the individual State health departments.

Symbols: --- Data not available

- Quantity zero

Procedures for construction of various martality curves may be obtained from Statistics Section, Communicable Disease Center, Public Health Service, U. S. Department of Health, Education, and Welfare, Atlanta, Georgia 30333.

> Library 81 CD 7 61

U. S. DEPARTMENT OF
EALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta, Georgia 30333

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Chief, Communicable Disease Center

Chief, Epidemiology Branch

Chief, Statistics Section

Asst. Chief, Statistics Section

Chief, Surveillance Section

Editor, MMWR

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